

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/051455

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G02F1/1347

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02F H04N G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PATENT ABSTRACTS OF JAPAN vol. 1997, no. 08, 29 August 1997 (1997-08-29) -&amp; JP 09 105958 A (SHARP CORP), 22 April 1997 (1997-04-22) abstract paragraphs '0005!, '0006!; figures 11,12 paragraphs '0024! - '0032!; figures 1-4,6 paragraphs '0035! - '0041!; figure 9 paragraphs '0049! - '0054!; figure 10 paragraph '0057!</p> <p style="text-align: center;">----- -/-</p>	1-19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

29 November 2004

Date of mailing of the international search report

03/12/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer  
  
Cossu, A

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/051455

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 3 785 721 A (HARSCH T) 15 January 1974 (1974-01-15)</p> <p>column 2, line 53 - column 3, line 43; figures 1-3 column 5, line 36 - column 6, line 31; figure 7 claim 8</p>	1,2,4-6, 8-13, 15-17,19
X	<p>US 5 619 266 A (TOMITA SEIJIRO ET AL) 8 April 1997 (1997-04-08)</p> <p>column 3, line 51 - column 5, line 25 figures 1,3-6</p>	12,13, 15,17,19
A	<p>US 2003/007227 A1 (OGINO TAKAYUKI) 9 January 2003 (2003-01-09)</p> <p>paragraph '0009! paragraphs '0030!, '0031!; figure 1 paragraphs '0035! - '0046!; figure 4 paragraph '0050!; figure 9</p>	1-19
A	<p>US 5 032 828 A (HIROSE SATORU ET AL) 16 July 1991 (1991-07-16)</p> <p>column 1, lines 15-49 column 3, lines 1-66; figure 1</p>	1,6, 9-12,17
A	<p>US 5 936 596 A (KONYA MINEHIRO ET AL) 10 August 1999 (1999-08-10)</p> <p>column 1, line 36 - line 45 column 15, line 26 - column 16, line 19; figures 9,19</p>	1,6, 9-12,17
A	<p>TAIJU TAKAHASHI ET AL: "IMPROVEMENT OF MULTIPLEXABILITY OF DOUBLE-LAYERED HOMOGENEOUSLY ORIENTED NEMATIC LCD BY SIMULTANEOUS DRIVING METHOD" ELECTRONICS &amp; COMMUNICATIONS IN JAPAN, PART II - ELECTRONICS, SCRIPTA TECHNICA. NEW YORK, US, vol. 74, no. 12, 1 December 1991 (1991-12-01), pages 49-58, XP000305862 ISSN: 8756-663X page 50; figure 1 page 51, left-hand column page 53, left-hand column</p>	1,2,6-11